



SAFETY DATA SHEET

Effective Date: 6/1/2024
Replaces: June 2004

Recycled Base Rock

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Recycled Base Rock	CAS #: Mixture
Synonyms/Common Names: Recycled materials base, miscellaneous base	
Manufacturer/Contact Info: Teichert Aggregates PO Box 15002 Sacramento, CA 95851	General Phone Number: (916) 484-3011 (8-5, PST, M-F) Emergency Phone Number: (800) 287-7383

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful in contact with eyes.

OSHA REGULATORY STATUS

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and 8 CCR § 5194 (Cal/OSHA).

POTENTIAL HEALTH EFFECTS

Routes of Exposure:

Inhalation. Ingestion. Skin contact. Eye contact.

Eye Contact:

Do not get this material in contact with eyes. Dust may irritate the eyes.

Skin:

May cause irritation through mechanical abrasion.

Inhalation:

Product fragment may include fine silica (quartz) dust. Inhalation of very high levels of airborne dust may produce respiratory irritation.

Ingestion:

Under normal conditions of intended use, this material does not pose a significant risk to health through ingestion.

TARGET ORGANS

Eyes. Lungs.

CHRONIC EFFECTS

Prolonged and routine inhalation of fine quartz dust can lead to the lung disease known as silicosis.

GHS label elements



Hazard Statements:

May cause irritation of eyes and skin
May cause respiratory irritation

SIGNS AND SYMPTOMS

Corneal damage. Conjunctivitis. Respiratory irritation. Skin irritation

POTENTIAL ENVIRONMENT EFFECTS

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS No.	% by Weight
Crushed concrete and/or crushed asphalt ⁽¹⁾	Mixture	100
Quartz (Silica Crystalline) ⁽²⁾	14808-60-7	
Comments: (1) Crushed concrete and crushed asphalt contain rock and sand. Material may include small percentages (less than 15%) of glass, porcelain, or other ceramic materials. (2) Crushed concrete and crushed asphalt contain rock and sand. Natural sand includes quartz, a form of crystalline silica. Composition varies.		

SECTION 3. FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin:

Remove and isolate contaminated clothing and shoes. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops or persists.

Inhalation:

Remove to fresh air. Get medical attention if any discomfort continues.

Ingestion:

Seek medical advice. If ingestion of a large amount does occur, call a poison control center immediately. However, ingestion of small amounts of the material is not expected to pose a significant health hazard.

Notes to Physician:

Keep victim under observation. Symptoms may be delayed. Prolonged and routine inhalation of respirable quartz dust can lead to the lung disease known as silicosis. Early symptoms of silicosis include coughing, wheezing, shortness of breath, and increased likelihood of other lung problems. Chronic exposure may also result in other respiratory issues such as chronic obstructive pulmonary disease.

General Advice:

If exposed or concerned: get medical attention/advice. If breathing is difficult, give oxygen. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. As with any chemical, skin contact with this product, and the breathing of product dust, should be minimized. We strongly recommend that the precautions stated in this SDS be followed when handling the product.

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties:

Not a fire hazard.

Flashpoint (method used):

Product: NE

Flammable Limits in Air (% volume in air):

Not available

LEL: NE

UEL: NE

Extinguishing Media:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Protection of Firefighters:

Use water until well after fire is out.

Specific Methods:

Containers close to fire should be removed or cooled with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid inhalation of dust.

Environmental Precautions:

Do not contaminate water sources or sewer.

Methods for Containment:

Prevent entry into waterways, sewers or confined areas.

Methods for Clean Up:

Sweep up or gather material and place in appropriate container for disposal. Avoid release to the environment. Do not allow material to enter storm or sanitary sewers, groundwater or soil.

SECTION 7. HANDLING AND STORAGE**Handling:**

Do not get this material in contact with eyes. Do not get this material in contact with skin. Use only with adequate ventilation. Use personal protective equipment as needed. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment. Respirable crystalline silica-containing dust may be generated when hardened concrete product is subject to mechanical forces such as demolition work, surface treatment (sanding, grooving, chiseling, etc.) and recycling of pavement.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Avoid heat, sparks, open flames and other ignition sources. Keep this material away from food, drink and animal feed. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	OSHA/MSHA Permissible Exposure Limit (PEL)	ACGIH Threshold Limit Value (TLV)	Cal/OSHA Permissible Exposure Limit (PEL)
Particulates (Not otherwise regulated)	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	10 mg/m ³ (total) 5 mg/m ³ (respirable)
Crystalline Silica (Quartz, Cristobalite, Tridymite)	OSHA: 10 mg/m ³ (%SiO ₂ +2) (respirable particulate containing silica) OSHA PEL for cristobalite and tridymite is 1/2 of the calculated value for quartz. MSHA: 30 mg/m ³ (%SiO ₂) (total particulate containing silica)	0.025 mg/m ³ (respirable quartz and cristobalite)	0.1 mg/m ³ (respirable quartz) 0.05 mg/m ³ (respirable cristobalite and tridymite)

Engineering Controls:

Provide adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:**Eye / Face Protection:**

Wear safety glasses with side shields. Use personal protective equipment as required.

Skin Protection:

Use protective clothing to minimize skin contact

Respiratory Protection:

Use respiratory protection for particulate concentrations exceeding the applicable exposure limits (PEL).

General Hygiene Considerations:

Use work clothing. Do not get this material in contact with eyes. Do not get this material in contact with skin. Keep away from food, drink and animal feeding stuffs. Observe good industrial hygiene practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance & Odor:**

Crushed concrete and/or asphalt material, Odorless

pH: Not available	Melting Point: Not available	Boiling Point: Not available
Evaporation Rate: Not available	Vapor Pressure: Not available	Vapor Density: Not available
Specific Gravity: 2.3 – 2.6	Solubility (water): Negligible	

SECTION 10. CHEMICAL STABILITY & REACTIVITY INFORMATION**Chemical Stability:**

Stable at normal conditions.

Conditions to Avoid:

Avoid incompatible materials and intense heat.

Incompatible Materials:

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products:

Upon decomposition, this product may yield sulfur dioxide, amines, nitrogen dioxide, ozone, hydrogen sulfide, carbon monoxide and various hydrocarbons.

Hazardous Polymerization:

Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGY INFORMATION**Sensitization:**

Not available

Local Effects:

Contact may irritate or burn eyes. Irritating to respiratory system. Thermal contact burns

Chronic Effects:

Hazardous by OSHA criteria.

Carcinogenicity:

Hazardous by OSHA criteria.

IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation

Quartz [Silica Crystalline] (14808-60-7) 1 Human carcinogen

US ACGIH Threshold Limit Values: A2 carcinogen

Quartz [Silica Crystalline] (14808-60-7) Group A2 Suspected human carcinogen

US NTP Report on Carcinogens: Known carcinogen

Quartz [Silica Crystalline] (14808-60-7) Known carcinogen

SECTION 12. ECOLOGICAL INFORMATION**Environmental Effects:**

Not available

Other:

Not available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Instructions:**

Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Waste from Residues / Unused Products:

Dispose of waste and residues in accordance with local state and federal requirements.

SECTION 14. TRANSPORT INFORMATION [NOTE: NOT INTENDED TO BE ALL-INCLUSIVE]**DOT Proper Shipping Name:**

Not regulated

DOT Hazard Classification:

Not applicable

US/NA Number:

Not regulated

DOT Packing Group:

Not applicable

Labeling Requirements:

Label as required by the OSHA Hazard Communication standard 29CFR 1910.1200(f), MSHA Hazard Communication standard (30 CFR Part 47) and applicable state and local regulations.

SECTION 15. REGULATORY INFORMATION [NOTE: NOT INTENDED TO BE ALL-INCLUSIVE]**US Federal Regulations:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200 (OSHA) and 8 CCR § 5194 (Cal/OSHA).

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

None

Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III:**Hazardous Categories:**

Immediate Hazard – Yes
Delayed Hazard – Yes
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No

Section 302 Extremely Hazardous Substance:

No

Section 311 Hazardous Chemical

Yes

California Proposition 65:

WARNING: This product can expose you to chemicals including crystalline silica, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

State Regulatory Lists:

The following materials/components are specifically listed by individual states. For details on regulatory requirements, you should contact the appropriate agency in your state:

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Quartz [Silica crystalline] (14808-60-7) Listed

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Petroleum asphalt (8052-42-4) Listed: January 1, 1990 Carcinogenic

Quartz [Silica crystalline] (14808-60-7) Listed: October 1, 1988 Carcinogenic

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Petroleum asphalt (8052-42-4) Listed

Quartz [Silica crystalline] (14808-60-7) Listed

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Petroleum asphalt (8052-42-4) Special hazard

SECTION 16. OTHER INFORMATION**Disclaimer of Liability:**

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